

Corps of Engineers Center of Expertise for Hydropower Analysis & Economic Evaluation



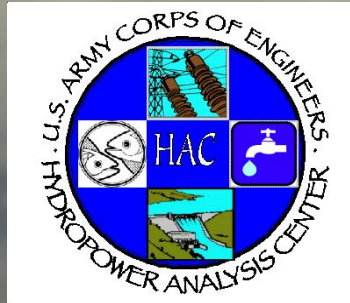
**US Army Corps
of Engineers.**

**Water Management Division
Power Branch
Portland, Oregon**

Two Hydropower Centers of Expertise:

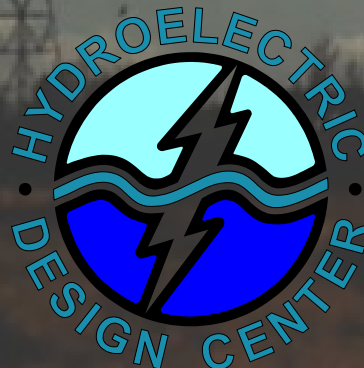
- Hydropower Analysis Center (HAC):

hydropower and water resource planning and analysis (originally established in 1949 to determine feasibility of proposed hydropower projects in the Pacific NW).



- Hydroelectric Design Center (HDC):

engineering and design (originally established in 1948 to support new hydroelectric development on the Columbia River system)



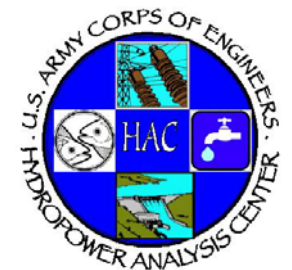
HAC Roles & Capabilities

The HAC has over 50 years of experience in :

- **Powerplant sizing, upgrades, and rehabilitation**
 - **River system analysis**
 - **Cost allocation and reallocation**
 - **Power value and benefit computations**
 - **Environmental and other powerplant studies**
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- **Staff is cross-trained & familiar with stakeholders in all regions**
 - **Works closely with 16 districts, PMA's, HQUSACE**
 - **Helps the COE meet its hydropower functions efficiently**
 - **Maintains in-house hydropower expertise to ensure that Corps can continue to efficiently carry out its hydropower mission**
 - **Support US assistance to other countries (e.g., China, South Korea, Nigeria, Mozambique, etc.).**



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of Engineers.**



Organization and Affiliations

